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“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10651 (1983): Hub Axle, Front for Mopeds [TED 2:
Automotive Primemovers]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaranay Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”



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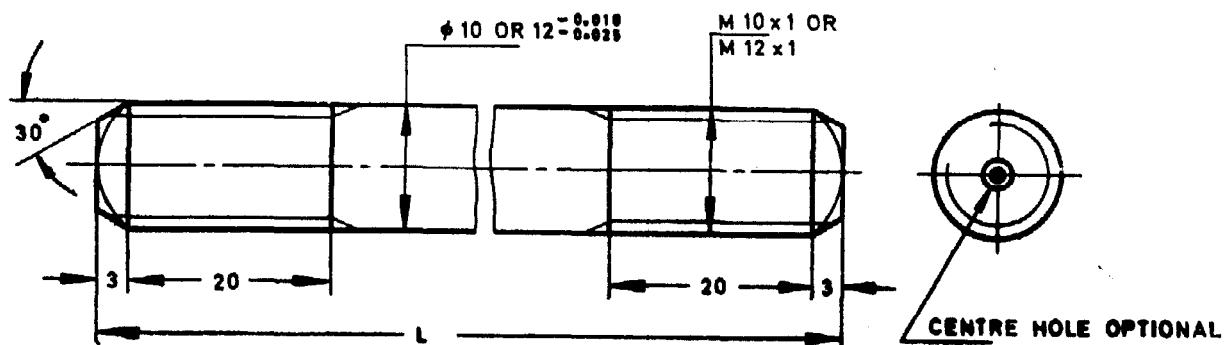


Indian Standard

SPECIFICATION FOR HUB AXLE, FRONT, FOR MOPEDS

1. Scope — Covers requirements for front hub axle for mopeds.

2. Shape and Dimensions — Shall be as given in the Figure. The threads shall conform to IS : 4218 (Part 2)-1976 'ISO metric screw threads: Part 2 Diameter-pitch combinations (*first revision*)'. If an additional centre hole is drilled it shall conform to IS : 2473-1975 'Dimensions for centre holes (*first revision*)'.



Note — 'L' may vary to suit the requirements. The ends may also be rounded off.

3. Material — The materials used for manufacturing hub axles shall conform to the following:

40 Cr1Mo 28 of Schedule IV of IS : 1570-1961 'Schedules for wrought steels for general engineering purposes'.

If any material other than the above is used, it shall be suitably heat treated, to achieve physical properties equivalent to the above material.

4. Hardness — Hardness of the axle shall be at least 250 HV (22 HRC). If heat treated, the hardness shall not exceed 285 HV (28 HRC).

5. Finish — The axle shall have a smooth finish and shall be chemically treated or zinc plated to service condition No. 2 of IS : 1573-1970 'Specification for electroplated coatings of zinc on iron and steel (*first revision*)'.

The straightness and concentricity shall be within 0.025 mm and 0.1 mm, respectively.

6. Packing — Axles shall be packed in cartons after wrapping in oil coated paper, so as to prevent any damages.

7. Marking — Manufacturers' trade-mark or name and size designation (for example, 10 or 12) shall be embossed or punched on the axles. Any other marking as per best prevalent trade practice may also be followed.

7.1 ISI Certification Marking — Details available with the Indian Standards Institution.

8. Sampling — Unless otherwise agreed upon between a supplier and purchaser, the inspection sampling shall be as per IS : 2500 (Part 1)-1973 'Sampling inspection tables: Part 1 Inspection by attributes and by count of defects (*first revision*)'.